

PROCEEDINGS
OF THE
BIOLOGICAL SOCIETY OF WASHINGTON

THREE NEW RODENTS FROM COLORADO.

BY C. HART MERRIAM.

Merritt Cary, while engaged in a biological survey of Colorado for the U. S. Biological Survey, collected several undescribed species and subspecies of mammals. Three of these—a small chipmunk and a gopher from San Luis Valley and a woodrat from the juniper foothills of the southeastern corner of the State—are here described. The chipmunk I am naming for Merritt Cary; the woodrat for Edward R. Warren, author of an important annotated list of the Mammals of Colorado and first collector of the present form.

Eutamias minimus caryi subsp. nov.

Type from Medano Ranch, San Luis Valley, Colorado. No. 150,740 U. S. National Museum, Biological Survey Collection. ♂ yg. ad. Collected October 24, 1907, by Merritt Cary. Original No. 1176.

Characters.—Similar to *minimus* but paler and grayer. In fall pelage (late October) pale gray, most marked on neck and rump, and almost as clear on inner pair of light stripes; outer pair of white stripes purer white than in *minimus*; pale face stripes whitish in striking contrast with the alternating dark stripes.

Measurements.—*Type*: Total length, 194; tail vertebrae, 87; hind foot, 30. Average of 10 specimens from type locality: Total length, 194; tail vertebrae, 89; hind foot, 30.2.

Neotoma albigula warreni subsp. nov.

Type from Gaumes Ranch, northwest corner of Baca County, Colorado (alt. 4600 ft.). No. 151,051 U. S. National Museum, Biological Survey Collection. ♂ ad. Collected November 28, 1907, by Merritt Cary.

Characters.—Color gray, as in the widely different *N. micropus*, instead of buffy ochraceous as in *albigula*, to which it is most closely related; cheeks gray (in *albigula* strongly buffy or yellowish ochraceous); tail

black above and sharply bicolor as in *albigula*; feet white as in *albigula*. Skull peculiar.

Cranial characters.—Skull, compared with *albigula*, shorter and broader; rostrum much more swollen laterally; nasals broader and more squarely truncate anteriorly, longer (along median line) than frontal (in *albigula* subequal with frontal); frontal shorter; frontomaxillary suture (at anterior root of zygoma) straight (in *albigula* angular); zygomata heavier and somewhat more spreading; bullæ smaller and more rounded; molars heavier (broader).

Measurements.—Type specimen, male: Total length, 324; tail vertebrae, 137; hind foot, 36. An adult female from type locality: Total length, 330; tail, 146; hind foot, 34.

***Thomomys talpoides agrestis* subsp. nov.**

Type from Medano Ranch, San Luis Valley, Colorado. No. 150,725 U. S. National Museum, Biological Survey Collection. ♀ ad. Collected October 29, 1907, by Merritt Cary. Original No. 1205.

Characters.—Size and general characters much as in *talpoides* but color very different—pale drab as in *ocius* instead of dark brown as in *talpoides*; skull also different.

Color.—Upperparts uniform drab, sometimes with a pale reddish (dull ochraceous) cast on top of head and neck; ear spots conspicuously dusky; underparts soiled whitish, the plumbeous underfur showing through.

Cranial characters.—Skull similar to that of *talpoides* but averaging longer and narrower; zygomata less spreading; nasals less regular, less truncate posteriorly, less straight on outer side—tending to spread outward on posterior third; premaxillæ longer and broader posteriorly; maxillary root of zygomata longer and broader and swollen to articulation with jugal so that the jugal part of arch is abruptly and conspicuously narrower; bullæ slightly more swollen.

Measurements.—Type: Total length, 220; tail vertebrae, 57; hind foot, 30. Average of 4 females from type locality: Total length, 212; tail vertebrae, 55; hind foot, 29.